

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/078,757C
Source: 1FW/6
Date Processed by STIC: 2/7/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/078,757C

TIME: 09:00:11

Input Set : A:\TSRI5980CON1SEQ.TXT

Output Set: N:\CRF4\02072006\J078757C.raw

4 <110> APPLICANT: BARBAS, Carlos F.
 5 RADER, Christoph
 7 <120> TITLE OF INVENTION: HUMANIZATION OF MURINE ANTIBODY
 10 <130> FILE REFERENCE: TSRI 598.0 Con.1
 12 <140> CURRENT APPLICATION NUMBER: 10/078,757C
 13 <141> CURRENT FILING DATE: 2002-02-19
 15 <150> PRIOR APPLICATION NUMBER: US 08/986,016
 16 <151> PRIOR FILING DATE: 1997-12-05
 18 <160> NUMBER OF SEQ ID NOS: 122
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 8
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Mus Musculus
 27 <400> SEQUENCE: 1
 28 His Asn Tyr Gly Ser Phe Ala Tyr
 29 1 5
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 9
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Mus Musculus
 37 <400> SEQUENCE: 2
 38 Gln Gln Ser Asn Ser Trp Pro His Thr
 39 1 5
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 37
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Homo Sapiens
 47 <400> SEQUENCE: 3
 48 gggcccaggc ggccgagctc cagatgaccc agtctcc 37
 50 <210> SEQ ID NO: 4
 51 <211> LENGTH: 37
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Homo Sapiens
 55 <400> SEQUENCE: 4
 56 gggcccaggc ggccgagctc gtgatgacyc agtctcc 37
 58 <210> SEQ ID NO: 5
 59 <211> LENGTH: 37
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Homo Sapiens
 63 <400> SEQUENCE: 5
 64 gggcccaggc ggccgagctc gtgwtgacrc agtctcc 37
 66 <210> SEQ ID NO: 6

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67 <211> LENGTH: 37
68 <212> TYPE: DNA
69 <213> ORGANISM: Homo Sapiens
71 <400> SEQUENCE: 6
72 gggcccaggc ggccgagctc acactcacgc agtctcc 37
74 <210> SEQ ID NO: 7
75 <211> LENGTH: 23
76 <212> TYPE: DNA
77 <213> ORGANISM: Homo Sapiens
79 <400> SEQUENCE: 7
80 cagtaataca ctgcaaaatc ttc 23
82 <210> SEQ ID NO: 8
83 <211> LENGTH: 23
84 <212> TYPE: DNA
85 <213> ORGANISM: Homo Sapiens
87 <400> SEQUENCE: 8
88 cagtaataaaa cccaacatc ctc 23
90 <210> SEQ ID NO: 9
91 <211> LENGTH: 40
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo Sapiens
95 <400> SEQUENCE: 9
96 gggcccaggc ggccgagctc gtgbtgacgc agccgcctc 40
98 <210> SEQ ID NO: 10
99 <211> LENGTH: 40
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo Sapiens
103 <400> SEQUENCE: 10
104 gggcccaggc ggccgagctc gtgctgactc agccaccctc 40
106 <210> SEQ ID NO: 11
107 <211> LENGTH: 43
108 <212> TYPE: DNA
109 <213> ORGANISM: Homo Sapiens
111 <400> SEQUENCE: 11
112 gggcccaggc ggccgagctc gccctgactc agcctccctc cgt 43
114 <210> SEQ ID NO: 12
115 <211> LENGTH: 46
116 <212> TYPE: DNA
117 <213> ORGANISM: Homo Sapiens
119 <400> SEQUENCE: 12
120 gggcccaggc ggccgagctc gagctgactc agccaccctc agtgctc 46
122 <210> SEQ ID NO: 13
123 <211> LENGTH: 40
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo Sapiens
127 <400> SEQUENCE: 13
128 gggcccaggc ggccgagctc gtgctgactc aatcgccctc 40
130 <210> SEQ ID NO: 14
131 <211> LENGTH: 40

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132 <212> TYPE: DNA
133 <213> ORGANISM: Homo Sapiens
135 <400> SEQUENCE: 14
136 gggcccaggc ggccgagctc atgctgactc agccccactc          40
138 <210> SEQ ID NO: 15
139 <211> LENGTH: 40
140 <212> TYPE: DNA
141 <213> ORGANISM: Homo Sapiens
143 <400> SEQUENCE: 15
144 gggcccaggc ggccgagctc gggcagactc agcagctctc          40
146 <210> SEQ ID NO: 16
147 <211> LENGTH: 40
148 <212> TYPE: DNA
149 <213> ORGANISM: Homo Sapiens
151 <400> SEQUENCE: 16
152 gggcccaggc ggccgagctc gtggtgacyc aggagccmtc          40
154 <210> SEQ ID NO: 17
155 <211> LENGTH: 40
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo Sapiens
159 <400> SEQUENCE: 17
160 gggcccaggc ggccgagctc gtgctgactc agccaccttc          40
162 <210> SEQ ID NO: 18
163 <211> LENGTH: 21
164 <212> TYPE: DNA
165 <213> ORGANISM: Homo Sapiens
167 <400> SEQUENCE: 18
168 gcagtaataa tcagcctcrt c                                21
170 <210> SEQ ID NO: 19
171 <211> LENGTH: 44
172 <212> TYPE: DNA
173 <213> ORGANISM: Homo Sapiens
175 <400> SEQUENCE: 19
176 gctgcccac cagccatggc ccaggtgcag ctggtgcagt ctgg          44
178 <210> SEQ ID NO: 20
179 <211> LENGTH: 44
180 <212> TYPE: DNA
181 <213> ORGANISM: Homo Sapiens
183 <400> SEQUENCE: 20
184 gctgcccac cagccatggc ccagatcacc ttgaaggagt ctgg          44
186 <210> SEQ ID NO: 21
187 <211> LENGTH: 44
188 <212> TYPE: DNA
189 <213> ORGANISM: Homo Sapiens
191 <400> SEQUENCE: 21
192 gctgcccac cagccatggc cgaggtgcag ctggtgsagt ctgg          44
194 <210> SEQ ID NO: 22
195 <211> LENGTH: 44
196 <212> TYPE: DNA

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Input Set : A:\TSRI5980CON1SEQ.TXT

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197 <213> ORGANISM: Homo Sapiens
199 <400> SEQUENCE: 22
200 gctgcccac cagccatggc ccaggtgcag ctgcaggagt cggg          44
202 <210> SEQ ID NO: 23
203 <211> LENGTH: 24
204 <212> TYPE: DNA
205 <213> ORGANISM: Homo Sapiens
207 <400> SEQUENCE: 23
208 cgcacagtaa tacacggccg tgtc          24
210 <210> SEQ ID NO: 24
211 <211> LENGTH: 21
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: PCR Primer for PelB Leader Sequence
218 <400> SEQUENCE: 24
219 acctattgcc tacggcagcc g          21
221 <210> SEQ ID NO: 25
222 <211> LENGTH: 24
223 <212> TYPE: DNA
224 <213> ORGANISM: Homo Sapiens
226 <400> SEQUENCE: 25
227 cgcacagtaa tacacggccg tgtc          24
229 <210> SEQ ID NO: 26
230 <211> LENGTH: 8
231 <212> TYPE: PRT
232 <213> ORGANISM: Homo Sapiens
234 <400> SEQUENCE: 26
235 Asp Thr Ala Val Tyr Tyr Cys Ala
236 1          5
239 <210> SEQ ID NO: 27
240 <211> LENGTH: 8
241 <212> TYPE: PRT
242 <213> ORGANISM: Mus Musculus
244 <400> SEQUENCE: 27
245 Asp Thr Ala Met Tyr Tyr Cys Ala
246 1          5
249 <210> SEQ ID NO: 28
250 <211> LENGTH: 69
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Synthetic PCR Primer
257 <400> SEQUENCE: 28
258 gacacggccg tgtattactg tgcgcgtcat aactacggca gttttgctta ctggggccag 60
259 ggaaccctg          69
261 <210> SEQ ID NO: 29
262 <211> LENGTH: 42
263 <212> TYPE: DNA

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Input Set : A:\TSRI5980CON1SEQ.TXT

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```

264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Synthetic PCR Primer
269 <400> SEQUENCE: 29
270 gaggaggagg aggagactag ttttgtcaca agatttgggc tc          42
272 <210> SEQ ID NO: 30
273 <211> LENGTH: 73
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial Sequence
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Synthetic PCR Primer
280 <400> SEQUENCE: 30
281 gaagattttg cagtgtatta ctgcccaaca gagtaacagc tggcctcaca cgtttggcca 60
282 ggggaccaag ctg                                           73
284 <210> SEQ ID NO: 31
285 <211> LENGTH: 21
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Synthetic PCR Primer
292 <400> SEQUENCE: 31
293 aatacgactc actatagggc g                                  21
295 <210> SEQ ID NO: 32
296 <211> LENGTH: 72
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Synthetic PCR Primer
303 <400> SEQUENCE: 32
304 gaggatgttg gggtttatta ctgcccaacag agtaacagct ggcctcacac gtttggccag 60
305 gggaccaagc tg                                           72
307 <210> SEQ ID NO: 33
308 <211> LENGTH: 8
309 <212> TYPE: PRT
310 <213> ORGANISM: Homo Sapiens
312 <400> SEQUENCE: 33
313 Glu Asp Phe Ala Val Tyr Tyr Cys
314 1          5
317 <210> SEQ ID NO: 34
318 <211> LENGTH: 8
319 <212> TYPE: PRT
320 <213> ORGANISM: Homo Sapiens
322 <400> SEQUENCE: 34
323 Glu Asp Val Gly Val Tyr Tyr Cys
324 1          5
327 <210> SEQ ID NO: 35
328 <211> LENGTH: 69
329 <212> TYPE: DNA
330 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/078,757C

DATE: 02/07/2006
TIME: 09:00:12

Input Set : A:\TSRI5980CON1SEQ.TXT
Output Set: N:\CRF4\02072006\J078757C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:46; N Pos. 26,27,29,30,32,33,35,36

Seq#:121; Xaa Pos. 3,4,5,6

Seq#:122; Xaa Pos. 1,2,3,4

VERIFICATION SUMMARY

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PATENT APPLICATION: US/10/078,757C

TIME: 09:00:12

Input Set : A:\TSRI5980CON1SEQ.TXT

Output Set: N:\CRF4\02072006\J078757C.raw

L:481 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:485 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:46
L:486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1403 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1407 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:121
L:1408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:0
L:1420 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1424 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:122
L:1425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0